

## **REMARKS**

Reconsideration of the Office action issued in connection with the above-identified patent application and dated October 6, 2003 is requested in view of the foregoing amendments and the following remarks. Prior to entry of the above amendments, claims 1-3, 5-10, 12-16, 24, 25, 33-36, 38-52 and 54-58 were pending, with claims 8, 9, 24 and 25 indicated to be allowed and the remaining claims rejected. By the above amendments, claims 1, 2, 5, 7, 33, 50 and 51 are amended, and new claims 59-64 are added.

Beginning with allowable subject matter, applicants thank the Examiner for the indication that independent claims 8, 9, 24, and 25 are allowed, and that independent claims 50 and 51 would be allowable if rewritten or amended to overcome the rejection under 35 U.S.C. § 112, second paragraph. Accordingly, claims 50 and 51 have been amended to more particularly point out and distinctly claim the subject matter of the invention. Thus, amended claims 50 and 51 should now be in condition for formal allowance.

Claims 5 and 7 have been amended to clarify the earlier amendments made to these claims in the prior response. Such amendments are believed to address informalities in the prior amendment.

Turning now to the substantive rejections of independent claims 1 and 33, applicants have amended these claims to clarify the subject matter for which protection is currently sought with these claims, but applicants reserve the right to resume protection of original claims 1 and 33 and the originally dependent claims thereof in a related application. Claim 2 has also been amended. Where such amendments are

relevant to the discussion of the rejections expressed in the Office action, they are addressed below.

### **Rejections under 35 USC § 102**

#### **The Pujol Reference**

Claims 1-3, 5, 6, 10, 12, 14, 16, 33-36, 38, 40, 42-48, 52, 54, 56 and 58 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Pujol (U.S. Patent No. 5,034,866). Applicants have studied the cited reference and submit that, for at least the reasons set forth below, claims 1-3, 5, 6, 10, 12, 14, 16, 33-36, 38, 40, 42-48, 52, 54, 56 and 58 are not anticipated by Pujol.

For example, applicants believe that the rejections of claims 1, 33, and dependent claims thereof are moot in light of amendments to claim 1 and 33. For example, applicants submit that claim 1 as amended distinguishes Pujol. Amended claim 1 is reproduced below:

1. (currently amended) A lamp housing comprising:  
a reflector to reflect visible light and to pass radiation emitted from a light source disposed within the reflector; and  
a housing coupled to the reflector, the housing having an inner surface, **contoured similarly to the reflector**, to absorb passed radiation and an outer surface having a plurality of formations so that the absorbed radiation can be transmitted as heat from the inner surface to the outer surface, wherein the reflector is disposed substantially completely within the housing.

Thus, independent claim 1 as amended recites, among other structure, a housing coupled to the reflector, the housing being contoured similarly to the reflector. Similarly, amended independent claim 33 is a method claim that recites, *inter alia*, “disposing a lamp that emits a visible light and a radiation in a reflector ... encasing the lamp and

In contrast to the structure recited in independent claims 1 and 33, and dependent claims thereof, Pujol fails to disclose a housing having an inner surface contoured similarly to, or configured to substantially correspond to, the reflector.

Fig. 6 of Pujol, reproduced below for the Examiner's convenience, illustrates a sectional view taken through housing **52**, "which includes ... a parabolic lamp reflector **94**" in compartment **66** (col. 3, line 65 – col. 4, line 9):



Thus, as disclosed and as illustrated, the inner surface of the Pujol multilamp strip light luminaire, shaped like a rectangular parallelepiped, is not similar to the parabolic lamp reflector. Moreover, in addition to the considerably dissimilar shape defined by the inner surface of the Pujol multilamp strip light luminaire with respect to the reflector, as described and illustrated above, there is a vast area of open space and several structural elements separating parabolic lamp reflector **94** from the inner surface of housing **52**, located some distance away. Thus, the inner surface of the Pujol device is neither similarly contoured to, nor configured to substantially correspond to, the reflector in size, shape, or any other characteristic. Therefore, Pujol does not disclose, nor anticipate, the lamp housing recited in amended claim 1 or the method recited in amended claim 33.

Also, independent claim 43 recites, *inter alia*, "A projection lamp system, comprising: a projector case [and] a lamp housing disposed within the projector case ...." Pujol fails to disclose a projector case or analogous structure within which a lamp housing is disposed. Thus, for at least this reason, Pujol does not anticipate the projection lamp system recited in claim 43.

For at least the reasons presented, applicants respectfully request the withdrawal of the rejection of claims 1, 33 and 43 under 35 U.S.C. § 102(b).

Claims 3, 5, 6, 10, 12, 14 and 16 depend from and further limit claim 1, and thus should be allowed when claim 1 is allowed. Claims 35, 36, 38, 40 and 42 depend from and further limit claim 33, and thus should be allowed when amended claim 33 is allowed. Claims 44-48, 52, 54, 56 and 58 depend from and further limit claim 43, and thus should be allowed when amended claim 43 is allowed.

Additionally, amended claim 2 recites “the lamp housing of claim 1, wherein the housing substantially blocks visible light that strays from the reflector.” Similarly, claim 34 recites “the method of claim 33, further comprising blocking the visible light that strays from the reflector with the housing.”

In contrast to the structure recited in dependent claim 2 and the method recited in dependent claim 34, applicants respectfully submit that Pujol fails to disclose a housing that substantially blocks visible light that strays from the reflector. The Office action asserts that Pujol discloses positioning inner vents **132A** and **132B** with respect to upper and lower vents **128A** and **128B** to block light leaking from the reflector (see Fig. 6 *supra* and col. 3, lines 14-16), but applicants note that such light is blocked only to the extent that it “is not seen by an audience opposite rear wall **56**” (col. 3, line 20). Moreover, vent passages **148A** and **148B** are positioned to allow light to escape from compartment **66** in a direction away from an audience facing rear wall **56** (col. 3, lines 60-64). Thus, Pujol does not disclose a housing that substantially blocks visible light that strays from a reflector. For this reason, Pujol does not anticipate amended claim 2 or claim 33.

For at least these additional reasons, applicants respectfully request the withdrawal of the rejection of claims 2 and 34 under 35 U.S.C. § 102(b).

#### The Miller Reference

Claims 1-3, 10, 12, 14, 16, 33-36, 38, 40, 42-46, 52, 54, 56 and 58 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Miller (U.S. Patent No. 4,682,276). Applicants have studied the cited reference and submit that, for at least the reasons set forth below, claims 1-3, 10, 12, 14, 16, 33-36, 38, 40, 42-46, 52, 54, 56 and 58 are not

anticipated by Miller.

For example, amended independent claim 1 recites, amongst other structure, “a reflector to reflect visible light and to pass radiation emitted from a light source disposed within the reflector ....” Similarly, independent claim 33 is a method claim that recites, *inter alia*, “disposing a lamp that emits a visible light and a radiation in a reflector, the reflector reflecting the visible light but passing the radiation,” and independent claim 43 recites, *inter alia*, “A projection lamp system, comprising ... a reflector to reflect visible light and passing a radiation emitted from a light source disposed within the reflector ....”

In contrast to the structure recited in independent claims 1, 33 and 43, and dependent claims thereof, Miller fails to disclose a reflector, much less a reflector to reflect visible light and to pass radiation. In the Office action, part 8 of the Miller device is asserted to be a “reflector,” but Miller refers to part 8 as “a bayonet lamp base 8” (col. 2, lines 15-16) rather than a reflector. Miller further fails to indicate that bayonet lamp base 8 is either adapted to reflect light or to pass radiation. Therefore, Miller does not disclose, nor anticipate, the lamp housing recited in amended claim 1, the method recited in claim 33, or the projection lamp system recited in claim 43.

Independent claim 43 also recites, *inter alia*, “A projection lamp system, comprising: a projector case [and] a lamp housing disposed within the projector case ....” Miller fails to disclose a projector case or analogous structure within which a lamp housing is disposed. Thus, for at least this reason, Miller does not anticipate the projection lamp system recited in claim 43.

For at least the reasons presented, applicants respectfully request the withdrawal of the rejection of claims 1, 33 and 43 under 35 U.S.C. § 102(b) in view of Miller.

Claims 2, 3, 10, 12, 14 and 16 depend from and further limit claim 1, and thus should be allowed when amended claim 1 is allowed. Claims 34-36, 38, 40 and 42 depend from and further limit claim 33, and thus should be allowed when amended claim 33 is allowed. Claims 44-46, 52, 54, 56 and 58 depend from and further limit claim 43, and thus should be allowed when amended claim 43 is allowed.

### **Rejections under 35 USC § 103**

#### **Claim Rejections over the Pujol and Rudolph References**

Dependent claims 7 and 49 stand rejected as being unpatentable under 35 U.S.C. § 103(a) over Pujol in view of Rudolph (U.S. Patent No. 3,586,851). The Office action asserts that Rudolph teaches a black anodized aluminum screen. However, neither Rudolph nor Pujol disclose, teach or suggest the modification of Pujol with a black anodized aluminum screen. Moreover, nothing in Rudolph cures the deficiencies of Pujol that are discussed above.

For example, claim 7 depends from independent claim 1. Amended claim 1 recites, amongst other structure, a housing coupled to the reflector, the housing being contoured similarly to the reflector. With respect to claim 1, Pujol fails to disclose, teach, or suggest a housing having an inner surface contoured similarly to the reflector. Similarly, Rudolph fails to disclose, teach, or suggest either a housing contoured

similarly to the reflector or a housing coupled to the reflector. Illustrative figures from Rudolph are reproduced below:

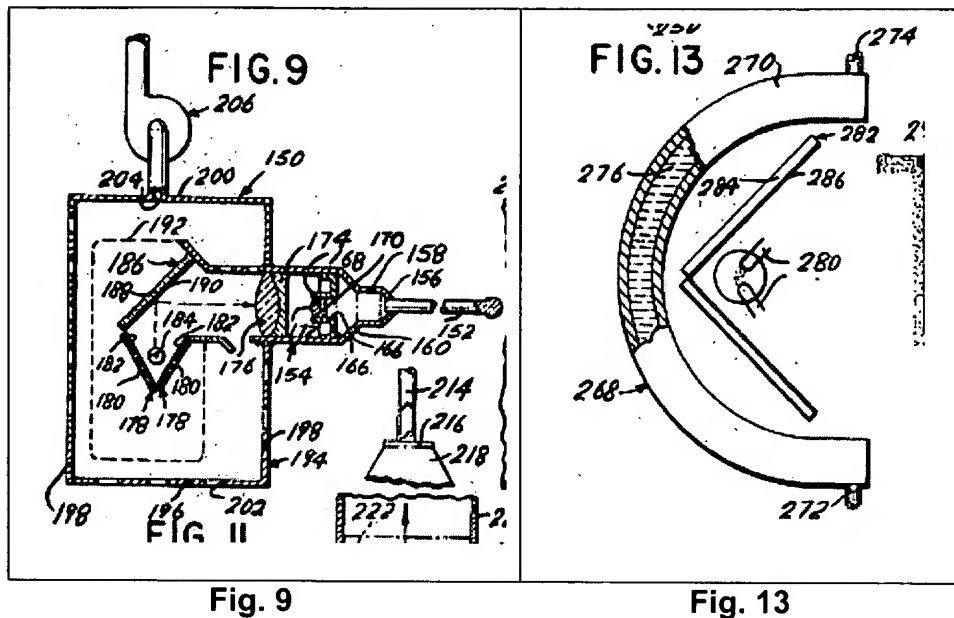


Fig. 9

Fig. 13

As can be seen from Randolph's Fig. 9, black anodized aluminum screen **192** surrounds reflectors **178** and **186** (col. 5, lines 14-15), but is shaped and sized such that screen **192** is not contoured similarly to the reflectors. In Fig. 13, housing **268**, which may be a black anodized aluminum, surrounds reflectors **282**, but is neither coupled, nor contoured similarly, to reflectors **282**. Thus, the proposed combination lacks at least the structure recited in claim 1. Since claim 7 depends from and further limits claim 1, should be allowable.

Analogously, claim 49 depends from claim 43, which recites, amongst other structure, "A projection lamp system, comprising: a projector case [and] a lamp housing disposed within the projector case ...." As noted above, Pujol fails to disclose, teach, or suggest a projector case or structure within which a lamp housing is disposed. Rudolph similarly fails to disclose, teach, or suggest a projector case. Thus, the proposed combination lacks the structure recited in claim 43. Since claim 49 depends from and

further limits claim 43, claim 49 should be allowable and the rejection under 35 U.S.C. § 103(a) be withdrawn.

#### Claim Rejections Over the Miller and Mendleski References

Dependent claims 13, 15, 39, 41, 55 and 57 stand rejected as being unpatentable under 35 U.S.C. § 103(a) over Miller in view of Mendleski (U.S. Patent No. 4,646,214). The Office action asserts that Mendleski teaches a plurality of formations defining parallel plates disposed latitudinally across the outer surface of a housing. However, neither Miller nor Mendleski disclose, teach or suggest the modification of Miller with a plurality of parallel plates disposed latitudinally across the outer surface of a housing. Moreover, nothing in Mendleski cures the deficiencies of Miller that are discussed above.

For example, claims 13 and 15 depend from independent claim 1. Amended independent claim 1 recites, amongst other structure, a reflector that reflects visible light and passes radiation. With respect to claim 1, Miller fails to disclose a reflector, much less a reflector that passes radiation. Similarly, while Mendleski discloses a “prefocussed reflector lamp 26,” Mendleski does not disclose a reflector that passes radiation. For at least these reasons, the proposed combination lacks the structure recited in claim 1 and, thus, claims 13 and 15 should be allowable, and the rejection under 35 U.S.C. § 103(a) be withdrawn.

Similarly, claims 39 and 41 depend from independent claim 33, which recites, *inter alia*, “disposing a lamp that emits a visible light and a radiation in a reflector, the reflector reflecting the visible light but passing the radiation.” Claims 55 and 57 depend from independent claim 43, which recites, *inter alia*, “A projection lamp system,

comprising ... a reflector to reflect visible light and passing a radiation emitted from a light source disposed within the reflector ...." As discussed above, neither Mendleski nor Miller disclose, teach, or suggest a reflector that passes radiation. Moreover, neither Mendleski nor Miller discloses, teaches, or suggests a projector case as recited in claim 43. Thus, for at least these reasons, claims 39, 41, 55 and 57 should be allowable and the rejection under 35 U.S.C. § 103(a) be withdrawn.

**Conclusion**

Applicants believe that this application is now in condition for allowance, in view of the above amendments and remarks. Accordingly, applicants respectfully request that the Examiner issue a Notice of Allowance covering the pending claims. If the Examiner has any questions, or if a telephone interview would in any way advance prosecution of the application, please contact the undersigned attorney of record.

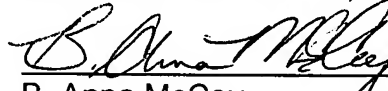
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Lisa Holstein

Respectfully submitted,

KOLISCH HARTWELL, P.C.



B. Anna McCoy

Registration No. 46,077

Customer No. 23581

Attorney for Applicant(s)

520 S.W. Yamhill Street, Suite 200

Portland, Oregon 97204

Telephone: (503) 224-6655

Facsimile: (503) 295-6679